

ABSTRACT OF THE DISCLOSURE

A spark plug includes an elongated tubular housing with a central longitudinal axis and a terminal at one end and a base having an inner side wall opposite the terminal. A portion of the internal side wall is platinum-plated. An inner chamber is formed within the housing in which is mounted an insulator. At least a portion of the insulator extends from the base and tapers to a core nose. An electrode is embedded within the insulator, a tip of which protrudes from the insulator. Ground prongs extend from the base towards the central longitudinal axis of the housing to an end. The ground prongs may have sharp edges for increased spark presentation. A ground ring may be connected to the base, from which the ground prongs extend. Electrical resistance of the spark plug is selected so that the generated spark will travel from the center electrode to the surface of the insulator and through an air gap to an end of a ground prong.